

In the Claims

Please amend the claims as follows:

1. (Three Times Amended) An auxiliary light source device for a reflective liquid crystal display device having a reflector, the auxiliary light source device comprising:

a light source; and

a light directing member for directing incident light from the light source toward the reflector, the light directing member including,

a lower surface having a plurality of convex portions extending from the lower surface, each of the convex portions having a substantially planar surface which is substantially parallel to the lower surface, and an angle between the lower surface and a surface connecting the planar surface of the convex portion is about 90°, wherein light reflected along an orthogonal direction to the liquid crystal display device is maximized.

10. (Three Times Amended) A reflective liquid crystal display device, comprising:

a display panel including two substrates spaced apart, liquid crystal sandwiched between the two substrates, and a reflector to reflect light through the liquid crystal;

an auxiliary light source device for supplying light to the display panel, including,

a light source,

(2) a light directing member for directing incident light from the light source toward the display panel, the directing member having a lower surface having a plurality of convex portions, each having a substantially planar surface which is substantially parallel to the lower surface, an angle between the lower surface and a surface connecting the planar surface of the convex portion being about 90°, wherein light reflected along an orthogonal direction to the display panel is maximized; and

a light reflecting member which guides light from the light source into the light directing member.

11. (Three Times Amended) An auxiliary light source device for a reflective liquid crystal display device having a reflector, the auxiliary light source device comprising:

an upper reflective surface to reflect impinging light above a certain incidence angle;

a lower reflective surface having a plurality of convex portions extending toward the reflector to direct light from the auxiliary light source device to the reflector; and

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an entry surface connecting the upper and lower reflective surfaces through which light from a light source enters, wherein each convex portion includes a planar portion and sides connecting the planar portion with the lower reflective surface, and an angle between the lower surface and the sides is about 90°, wherein light reflected along an orthogonal direction to the liquid crystal display device is maximized.

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21. (Twice Amended) An auxiliary light source device for a reflective liquid crystal display device having a reflector, the auxiliary light source device comprising:

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a light source extending along a width of the reflector, to emit light along a length of the reflector; and

a light directing device located above the reflector and adjacent to the light source to direct light from the light source to the reflector such that a light distribution of light directed by the light directing device is substantially uniform along the length of the reflector, and such that the directed light is substantially perpendicular to the reflector, and the light directing device includes a plurality of portions extending toward the reflector at a 90° angle such that the light reflected along an orthogonal direction to the liquid crystal display device is maximized, a spacing between the portions decreasing along the length of the reflector with increasing distance from the light source.

Attached hereto is a marked-up copy showing changes made.